

**APPENDIX A: ACRONYMS
2006-2007**

3G	Grazinglands and Greenhouse Gas Emissions (GL-CRSP project)
A-AARNET	ASARECA Animal Agriculture Research Network
AAU	Addis Ababa University
ACDI	Agricultural Cooperative Development International
ADB	African Development Bank
ADRA	Adventist Development and Relief Agency Canada
AEESP	Association of Environmental Engineering and Science Professors
AFS	Avian Flu School (GL-CRSP project)
AgSS	Agriculture Sector Strategy
AHEAD	Animal Health for the Environment and Development, WCS Programme
AID	Agency for International Development, Washington D.C., USA
AIDS	Acquired Immune Deficiency Syndrome
ALIN	Arid Lands Information Network
ALRMP	Arid Lands Resource Management Project
AMPATH	Academic Model for Prevention and Treatment of HIV/AIDS
APDA	Afar Pastoral Development Association
AR	Action Research
ART	Antiretroviral Therapy
ASAL	Arid and Semi-Arid Land
ASARECA	Association for Strengthening Agricultural Research in Eastern and Central Africa
ASF	Animal Source Foods
AU/IBAR	African Union/Inter-African Bureau for Animal Resources
BLM	Bureau of Land Management
BMI	Body Mass Index
BSF	BioSand Filters
CAHNET	Community Animal Health Network
CBE	Commercial Bank of Ethiopia
CB-LEWS	Community Based Livestock Early Warning Systems

CBO	Community-Based Organization
CEWARN	Conflict Early Warning System
CGIAR	Consultative Group for International Agricultural Development
CIAT	International Center for Tropical Agriculture
CIC	Community Information Centers, Ethiopia
CIDA	Canadian International Development Agency
CIFA	Community Initiatives Facilitation and Assistance
CMO	Crisis Mitigation Office
CMRT	Crop Management Research Training
CNP	Child Nutrition Project (GL-CRSP project)
CRSP	Collaborative Research Support Program
CSU	Colorado State University
CU	Cornell University
DFID	Department for International Development, United Kingdom
DPFS	Dire Dawa Disaster Preparedness and Food Security, Ethiopia
DPIRP	Drought Preparedness Intervention and Recovery Programme
DPPC	Disaster Preparedness and Prevention Commission
DRR	Department of Relief and Rehabilitation
EARO	Ethiopian Agricultural Research Organization
EEP	External Evaluation Panel
EGAT	Economic Growth and Trade
ELFMD	Ethiopian Livestock and Fishery Marketing Department
ENAM	Enhancing Child Nutrition through Animal Source Foods (GL-CRSP project)
ERMIS	Environmental Research Mapping and Information Systems
ESRI	Environmental Systems Research Institute
ESSP-IFPRI	Ethiopia Strategy Support Program
EU	Egerton University
FANTA	Food and Nutrition Technical Assistance Project
FAO	Food and Agriculture Organization, United Nations
FAO FSAU	Food Security Assessment Unit
FARM-Africa	Food and Resource Management, Africa
fasb	Financial Accounting Standards Board

FASEB	Federation of American Societies for Experimental Biology
FCI	Forage Condition Index
FEWS NET	Famine Early Warning System Network
FFHG	Freedom from Hunger, Ghana
FHI	Food for the Hungry International
FVA	First Voice Africa
GHG	Greenhouse Gas
GHS	Ghana Health Services
GIS	Geographic Information System
GL-CRSP	Global Livestock Collaborative Research Support Program
GO	Government Organization
GOBI	GOBI-Forage (GL-CRSP project)
GPS	Global Positioning Systems
GTZ	Deutsche Gesellschaft für Technische Zusammenarbeit (German Agency for Technical Cooperation)
H5N1	Avian Flu Virus
ha	Hectare
HAART	Highly Active Retroviral Treatment
HALI	Health for Animals and Livelihood Improvement (GL-CRSP project)
HH	Hope for the Horn
HIV/AIDS	Human Immunodeficiency Virus/ Acquired Immune Deficiency Syndrome
HNP	Increasing Animal Source Foods in Diets of HIV-infected Kenyan Women and Their Children, HIV Nutrition Project (GL-CRSP project)
HPAI	Highly Pathogenic Avian Influenza
HQ	Headquarters
HU	Haromaya University
HU	Hawassa University
IBRTP	Index-Based Risk Transfers Products
ICARDA	International Center for Agricultural Research in the Dry Areas
ICPAC	IGAD Climate Prediction and Applications Centre
ICT	Information and Communication Technology
ICTAD	ICT Assisted Development
IEHA	Initiative to End Hunger in Africa

IFPRI	International Food Policy Research Institute
IGA	Income Generating Activities
IGAD	International Governmental Authority on Development
IGC	Intergovernmental Conference (EU)
ILRI	International Livestock Research Institute
IPAL	Integrated Project for Arid Lands
ISSRM	International Symposium for Society and Resource Management
ISU	Iowa State University
IU	Indiana University
KARI	Kenya Agricultural Research Institute
KDA	Kenya Rural Enterprise Program Development Agency
KLMC	Kenya Livestock Marketing Council
KLTA	Kenya Livestock Traders Association
kg	Kilogram
KMD	Kenya Meteorological Association
KREP	Kenya Rural Enterprise Project
Ksh	Kenya Shilling
KWS	Kenya Wildlife Service
LDRCT	Livestock Development and Rangeland Conservation Tools for Central Asia (GL-CRSP project)
LEAP	Leadership Enhancement in Agriculture Program
LEWS	Livestock Early Warning System (GL-CRSP project)
LINKS	Livestock Information Network and Knowledge System (GL-CRSP project)
LiTEK	Livestock Marketing in Ethiopia and Kenya (GL-CRSP project)
LLC	Limited Liability Company
LMIS	Livestock Market Information System
LSHTM	London School of Hygiene and Tropical Medicine
LULCC	Land Use and Land Cover Change
MBOMIPA	Lunda-Mkwambi Wildlife Management Area, Tanzania
MDP	Marsabit Development Program
ME	Management Entity
MLPI	Mali Livestock Pastoralist Initiative (GL-CRSP project)
MLRI	Mpwapwa Livestock Research Institute



MoAAIF	Ministry of Agriculture, Animal Industry and Fisheries, Uganda
MoARD	Ministry of Agriculture and Rural Development
MoFA	Ministry of Food and Agriculture, Ghana
MoLD	Ministry of Livestock Development, Tanzania
MoLFD	Ministry of Livestock and Fisheries Development, Kenya
MOU	Memorandum of Understanding (also MoU)
MTRH	Moi Teaching and Referral Hospital
MU	Makerere University
MU	Moi University
MUAC	Mid-Upper Arm Circumference
NAAPI	Namulonge Agricultural and Animal Production Institute
NACC	National AIDS Control Council, Kenya
NAFTA	North American Free Trade Agreement
NALRC	National Arid Lands Research Center
NARC	Natural Agricultural Research Council
NARO	National Agricultural Research Organization, Uganda
NASCOP	National AIDS and STI Control Program, Kenya
NASULGC	National Association of State Universities and Land Grant Colleges
NDVI	Normalized Difference Vegetation Indices
NGO	Non-Governmental Organization
NHANES	National Health and Nutrition Education Strategy
NICHD	National Institute of Child Health and Human Development
NIRS	Near Infrared Reflectance Spectroscopy
NLMIS	National Livestock Market Information System
NNP	National Nutrition Programme
NPP	Net Primary Production
NRCS	National Resource Conservation Service (United States)
NSF	National Science Foundation
OADB	Oromia Agricultural Development Bureau
OARI	Oromia Agricultural Research Institute
OCPB	Oromia Cooperative Promotion Bureau
ODPPC	Oromia Disaster Prevention and Preparedness Commission

OECD	Organization for Economic Cooperation and Development
OFDA	Office of Foreign Disaster Assistance (USAID)
OIE	World Organization for Animal Health
OPaDC	Oromia Pastoral Development Commision
ORCHIDEE	Observatoire Radar Coherent Heliporte d'Investigation des Elements Ennemis (French)
PAR	Participatory Action Research
PARIMA	Pastoral Risk Management (GL-CRSP project)
PCAE	Pastoral Concern Association of Ethiopia
PEACE	Pastoral Engagement, Adaption, and Capacity Enhancement (GL-CRSP project)
PEER	Pool for External Evaluation of Research
PENHA	Pastoral and Environmental Network for the Horn of Africa
PEPFAR	President's Emergency Plan for AIDS Relief
PHYGROW	Plant Growth/Hydrology/Yield Simulation Models
PI	Principal Investigator
PIN	Peace Initiative Network
PLI-EW	Pastoral Livelihoods Initiative - Early Warning
PLMMO	Pastoral Livelihoods Movement Model
PLWHA	Persons Living With HIV/AIDS
POU	Point of Use
POU-WID	Point-of-Use Household Filters for Drinking Water Improvement (GL-CRSP project)
PRA	Participatory Rapid Assessment
PRA	Participatory Rural Appraisal
PSI	Population Services International
RANET	Radio and Internet
RAP	Research Activity Plan
RATESP	Regional Agricultural Trade Expansion Support Program
RATIN	Regional Agricultural Trade Intelligence Network
RCI	Resource Conflict Institute
RCMRD	Regional Center for Mapping of Resources for Development
RECONCILE	Resource Conflict Institute
REDSO	Regional Economic-Development Services Office for East and Southern Africa (USAID)
RI	Research Institute



RIAH	Research Institute of Animal Husbandry, Agriculture University of Mongolia
RIING	Research to Improve Infant Nutrition and Growth
RNP	Ruaha National Park
SALTICK	Semi-Arid Lands Training and Livestock Improvement Centres of Kenya
SANREM	Sustainable Agriculture and Natural Resource Management CRSP
SCC	Sambura County Council
SCF - UK	Save the Children Fund (United Kingdom)
SCF - USA	Save the Children Fund (United States)
SDDP	Samburu District Development Programme
SHILDA	South Highlands Livestock Development Association, Tanzania
SMS	Short Message Service
SNV	Netherlands Development Organization
SPS-LMM	Sanitary and Phytosanitary Livestock Meat Marketing Project, Texas A&M
SR-CRSP	Small Ruminant Collaborative Research Support Program
SRI	Serere Research Institute
STI	Southern Tier Initiative
SUA	Sokoine University of Agriculture
SUMAWA	Sustainable Management of Watersheds: the River Njoro, Kenya (GL-CRSP project)
SWAT	Soil and Water Assessment Tool
TAMU	Texas A&M University
TANAPA	Tanzania National Parks
TAWIRI	Tanzania Wildlife Research Institute
TCC	Technology Coordinator Council
TLMP	Tanzania Livestock Marketing Project
TN	Total Nitrogen
TP	Total Phosphorous
TZ	Tanzania
UCD	University California, Davis
UCLA	Univeristy of California, Los Angeles
UG	University of Ghana
UK	United Kingdom
UKY	University of Kentucky

UNAIDS	Joint United Nations Programme on HIV/AIDS
UNDP	United Nations Development Programme
UNEP	United Nations Environmental Programme
UNESCO	United Nations Educational, Scientific, and Cultural Organization
UNICEF	United Nations Children's Fund
UONBI	University of Nairobi
USAID	United States Agency for International Development
USD	United States Dollar
USDA ARS	United States Department of Agriculture Agricultural Research Service
USU	Utah State University
UV	University of Vermont
UW	University of Wyoming
VCI	Vegetation Condition Index
VEDCO	Volunteer Efforts for Development Concerns
VIC	Veterinary Investigations Centre
VOCA	Volunteers in Overseas Cooperative Action
VS	Veterinary Services
VSF	Veterinaires Sans Frontiers - Suisse
WB	World Bank
WBSLP	World Bank Sustainable Livelihoods Program
WCS	Wildlife Conservation Society
WCSFVP	Wildlife Conservation Society Field Veterinary Program
WEAP	Water Evaluation And Planning System
WFP	World Food Programme
WHC	Wildlife Health Center, UC Davis
WHO	World Health Organization
WID	Women in Development
WMO	World Meteorological Organization
WRMA	Water Resource Management Authority, Kenya
WRUA	Water Resource Users Association, Kenya
WTO	World Trade Organization

**APPENDIX B: COLLABORATING INSTITUTIONS
2006-2007**

ADVANCED RESEARCH INSTITUTES	State, Country	Institution Type	GL-CRSP Project(s)
Agricultural University of Mongolia	Mongolia	Academic	GOBI
Alemaya University	Ethiopia	Academic	LINKS
Cornell University	New York, USA	Academic	PARIMA, LITEK
Egerton University	Kenya	Academic	PARIMA, SUMAWA
Indiana University	USA	Academic	HNP
Iowa State University	Iowa, USA	Academic	ENAM
Makerere University	Uganda	Academic	AFS, ENAM
McGill University	Canada	Academic	ENAM
Moi University	Kenya	Academic	SUMAWA, HNP
Sokoine University of Agriculture	Tanzania	Academic	AFS, HALI
Syracuse University	New York, USA	Academic	PARIMA
Texas A&M University	Texas, USA	Academic	LINKS, AFS, GOBI
University of California, Davis	California, USA	Academic	SUMAWA, AFS, HALI
University of California, Los Angeles	California, USA	Academic	HNP
University of Ghana	Ghana	Academic	ENAM
University of Kentucky	Kentucky, USA	Academic	PARIMA, LITEK
University of Nairobi	Kenya	Academic	AFS, LINKS
University of Vermont	USA	Academic	HALI
University of Wyoming	Wyoming, USA	Academic	SUMAWA
Utah State University	Utah, USA	Academic	PARIMA
Yale University	Connecticut, USA	Academic	LITEK
CGIARs	State, Country	Institution Type	GL-CRSP Project(s)
International Livestock Research Institute (ILRI)	Kenya, Ethiopia	CGIAR	PARIMA

GOVERNMENTAL ORGANIZATIONS	State, Country	Institution Type	GL-CRSP Project(s)
Arid Lands Information Network (ALIN)	Kenya	GO	LINKS
Department of Veterinary Services	Kenya	GO	AFS
Disaster Preparedness and Prevention Commission (DPPC)	Ethiopia	GO	LINKS
Ethiopian Information and Communication Technology Development Authority (ICTAD)	Ethiopia	GO	LINKS
Ethiopian Telecommunication Agency	Ethiopia	GO	LINKS
Ethiopian Telecommunication Corporation	Ethiopia	GO	LINKS
Kenya Department of Fisheries	Kenya	GO	SUMAWA
Kenya Wildlife Service (KWS)	Kenya	GO	SUMAWA
Livestock, Crops, and Natural Resources Development Office	Ethiopia	GO	LINKS
Ministry of Agriculture and Rural Development, Livestock and Fish Marketing Department	Ethiopia	GO	LINKS
Ministry of Agriculture, Animal Industry and Fisheries, Uganda	Uganda	GO	AFS
Ministry of Health, Kenya	Kenya	GO	AFS, SUMAWA
Ministry of Health, Uganda	Uganda	GO	AFS
Ministry of Livestock Development	Tanzania	GO	LINKS
Ministry of Livestock and Fisheries Development, Kenya	Kenya	GO	AFS, LINKS, PARIMA
Oromia Agricultural Development Bureau (OADB)	Ethiopia	GO	PARIMA
Oromia Cooperative Promotion Bureau (OCPB)	Ethiopia	GO	PARIMA
Oromia Pastoral Development Commission	Ethiopia	GO	LINKS, PARIMA
Regional Center for Mapping of Resources for Development	Kenya	GO	LINKS
Tanzania National Parks (TANAPA)	Tanzania	GO	HALI
USDA Foreign Agricultural Service	USA	GO	GOBI
Veterinary Investigation Centers	Tanzania	GO	AFS, HALI

NATIONAL RESEARCH INSTITUTES/ORGANIZATIONS	State, Country	Institution Type	GL-CRSP Project(s)
Institute of Meteorology and Hydrology, Mongolia	Mongolia	RI	GOBI
Jijiga Pastoral Agro-pastoral Research Center	Ethiopia	NARS	LINKS
Kenya Agricultural Research Institute (KARI)	Kenya	NARS	PARIMA
Oromia Agricultural Research Institute (OARI)	Ethiopia	NARS	PARIMA, LINKS
Selian Agricultural Research Institute	Tanzania	RI	LINKS

Somali Region Pastoral and Agro-pastoral Research Institute	Ethiopia	RI	LINKS
Tanzanian Wildlife Research Institute (TAWIRI)	Tanzania	RI	HALI
Werer Agricultural Research Center	Ethiopia	RI	LINKS
NON-GOVERNMENTAL ORGANIZATIONS			
ACDI-VOCA	Ethiopia	NGO	LINKS
Arid Lands Information Network (ALIN)	Kenya	NGO	LINKS
Arid Lands Resource Management Project (ALRMP)	Kenya	NGO	PARIMA, LINKS
Community Initiatives Facilitation and Assistance (CIFA)	Kenya	NGO	PARIMA
Farm Africa	Ethiopia, Kenya, Tanzania	NGO	LINKS
First Voice Africa	Kenya	NGO	LINKS
Food for the Hungry International	Kenya	NGO	LINKS
Freedom From Hunger, Ghana	Ghana	NGO	ENAM
Heifer International, Ghana and Kenya	USA, Ghana, Kenya	NGO	ENAM, HNP
Mercy Corps, Mongolia	Mongolia	NGO	GOBI
Netherlands Development Organization (SNV)	Kenya	NGO	LINKS
Pact, Mongolia	Mongolia	NGO	GOBI
Pastoralist Forum	Ethiopia	NGO	LINKS
Population Services International	Kenya	NGO	HNP
Resource Conflict Institute	Kenya	NGO	PARIMA
River Njoro Water Resource Users Associations (WRUA)	Kenya	NGO	SUMAWA
Save the Children, UK	Ethiopia	NGO	LINKS
Terra Nuova	Kenya	NGO	LINKS
Veterinaries Sans Frontieres-Suisse	Kenya	NGO	LINKS
Volunteer Efforts for Development Concerns	Uganda	NGO	ENAM
Wildlife Conservation Society, Field Veterinary Program and AHEAD	Washington, D.C., USA	NGO	HALI
Wildlife Conservation Society, Tanzania	Tanzania	NGO	AFS, HALI
World Bank Sustainable Livelihoods Program	Mongolia	NGO	GOBI

PRIVATE SECTOR	State, Country	Institution Type	GL-CRSP Project(s)
Kenya Livestock Marketing Council	Kenya	Private	LINKS

REGIONAL ORGANIZATIONS	State, Country	Institution Type	GL-CRSP Project(s)
Bati Agricultural and Rural Development Office	Ethiopia	Regional	LINKS
Dire Dawa Agriculture Office	Ethiopia	Regional	LINKS
Dire Dawa Disaster Preparedness and Food Security (DPFS)	Ethiopia	Regional	LINKS
Dire Dawa Rural Development Coordination Bureau	Ethiopia	Regional	LINKS
Disaster Prevention and Preparedness and Food Security Bureau	Afar Region, Ethiopia	Regional	LINKS
Regional Agricultural Trade Expansion Support Program	Kenya	Regional	LINKS
Somali Region Rural Development	Somali Region, Ethiopia	Regional	LINKS

UNITED NATIONS ORGANIZATIONS	State, Country	Institution Type	GL-CRSP Project(s)
Food and Agriculture Organization	Ethiopia, Kenya	UN	LINKS

USAID	State, Country	Institution Type	GL-CRSP Project(s)
FEWS NET	Ethiopia, Kenya	USAID	LINKS
USAID Mission to Ethiopia	Ethiopia	USAID	PARIMA
USAID Mission to Tanzania	Tanzania	USAID	AFS
USAID Southern Tier Initiatives (STI)	Ethiopia	USAID	LINKS

**APPENDIX C: GL-CRSP PROJECT FUNDING
2006-2007**

Project	Total Core Funding	Total Cost Share	Leveraged Funding	USAID Buy-ins	Total Supplemental Funding
3G	\$26,880	\$7,630	\$-	\$-	\$-
AFS	\$305,729	\$72,342	\$159,000	\$ 50,000 (USAID Djibouti Mission)	\$209,000
ENAM	\$305,840	\$32,746	\$39,341	\$ 177,961 (USAID WID)	\$157,302
GOBI	\$150,000	\$24,952	\$701,500	\$ 50,000 (USAID Mongolia Mission)	\$751,500
HALI	\$340,496	\$46,837	\$212,065	\$ 17,250 (USAID Global Conservation Program)	\$229,315
HNP	\$251,720	\$40,636	\$10,000	\$-	\$10,000
LINKS	\$350,000	\$88,025	\$1,787,707	\$ 198,000 (USAID Ethiopia Mission)	\$2,053,707
				\$ 68,000 (USAID SPS)	
LITEK	\$89,401	\$-	\$-	\$-	\$-
NJORO WATER	\$34,974	\$621	\$27,750	\$-	\$27,750
PARIMA	\$540,000	\$105,329	\$67,000	\$ 303,500 (USAID Ethiopia Mission)	\$370,500
POU WID	\$-	\$519	\$11,500	\$ 35,905 (USAID WID)	\$11,500
SUMAWA	\$ 236,654	\$38,123	\$68,262	\$ 52,865 (USAID WID)	\$121,127